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**Bernard Windham  
Resume**

## **Resume**

### **Bernard Windham**

Birthdate: May 11, 1942

Married

3 Children

#### **Skills and Professional Experience:**

Reliability Engineer, Mathematician, Statistician, Demographer, Local Government Planner, University Professor, Energy Analyst, Heating and Air Conditioning Contractor (alternative energy specialty), Research and publications in environmental externalities, health effects of toxic exposures, resource and energy conservation/efficiency, demographic and environmental trends, etc.

#### **Education:**

High School- Carthage High School, Carthage, Ms. Valedictorian

B.S. Mississippi State Univ., Reliability Engineering 1964  
(Minor: Chemistry, Mathematics), graduated Summa Cum Laude

M.S. Louisiana State Univ., Applied Mathematics, 1967

M.S. - Florida State Univ., Double Major (Statistics & Demography), 1969-1973

Completed PhD. program including passing qualifiers in Statistics with Directed

Individual Study in Biomedical Research and Environmental Externalities (received Award from Graduate School Professors for "Best Applied Researcher" in my class).

(Based on my dissertation research and publications, I was appointed to federal Scientific Advisory Panel (U.S. Census Bureau) on Methodology to Assess and Deal with Errors in Census Counts).

[I did not receive degree due to suffering major auto accident and while recuperating my major professor left for New England. He was only one in Dept. doing research in the area in which I was working, and due to family health circumstances I was never able to go back and start in another area after working for over a year in the field of my major professor.]

#### **Work Experience:**

1964-1967, Reliability Engineer- North American Rockwell, Anaheim, Calif., supervisor:

K. N. Stevens, worked in and later directed some aspects of program to determine failure modes and improve the reliability of Minuteman Missile guidance system electronic components-including printed circuit boards, gyroscopes, and accelerometers.

1969-72, Graduate Assistant/Consultant- Statistical/Biomedical Consulting Center, FSU,

supervisor: Dr. Duane Meeter, Biomedical and Biostatistical consulting on methodology for biomedical and statistical research for publication by graduate students and professors of Masters Thesis, Doctoral Thesis, or peer-reviewed journals.

1973-1980, Environmental Specialist/Planner- Florida Dept. of Community Affairs, supervisor:

D. Pettingill & J. Sidor,

Developed & directed & published Florida Census of Local Governments;

Developed and directed & published Resource Recovery Information for Local Governments; Legislative Lobbyist: help write & coordinate passage by Legislature of major bills on resource conservation and toxic substance monitoring.

1972-1980, Manager/Director- Appalachee Recycle Center (non-profit public program)

Developed citywide residential curbside recycling programs and apartment complex programs and school and business programs for recycling paper, cardboard, cans, glass, etc. Became the 2<sup>nd</sup> largest such program in Florida and turned over to City of Tallahassee.

(Founder and Member of Leon County Resource Recovery Advisory Committee.)

1975, Named to Tallahassee Transportation Planning Advisory Council and developed questionnaire for schools on student transportation (bikes and sidewalks); directed distribution and tabulation of survey and implementation by City for needed bikeways and sidewalks in school areas.

1978, U.S. Department of Energy Alternative Energy Peer Review Panel- Region IV.

1979, Named to federal Scientific Advisory Panel, U.S. Dept. of Housing and Urban Development, Resource Conservation & Recycling.

1979, Named to Leon County Extension Service Small Farms Advisory Committee and developed County Farmers Market program.

1979 and some subsequent years, Named to Marquis Who's Who in South and Southwest. (Listed Who's Who in America).

1981-82, Legislative Analyst, Technical staff for Federal Grant to develop a model State Program for energy and resource conservation, dealing with environmental externalities including mercury emissions and health effects.

(Resulted in passage of Florida Energy Efficiency and Conservation Act (FEECA), which is still in effect and the first tests for mercury pollution in fish in Florida water bodies. Mercury emissions and effects were a major part of the study.

1984, named to federal Scientific Advisory Panel on Global Warming and Environmental Externalities by U.S. Environmental Protection Agency, based on my publications and research on such issues

1973-2002, research and publications on resource and energy conservation, environmental externalities, etc.; served on many state and local scientific advisory committees: resource conservation, recycling, energy efficiency, solar energy, electromagnetic fields (EMF)- received special training while at FPSC, etc.

1982-2002, Engineer- Florida Public Service Commission, various duties, Reliability and

Engineering studies, functions; Expert Witness on Nuclear Power Plants, Fuels, Environmental Externalities, and other utility and energy issues. Continued past research on environmental externalities including exposure sources and health effects of mercury, dioxins, polyaromatic hydrocarbons (PAHs), etc.

**Publications responsible for developing and publishing each year:**

Florida Census of Local Governments 1975-1979

Technical Report: Resource Recovery Information for Florida  
Local Governments 1976-1979

Publications:

Contributing Author: Eating Alive II: The Mercury Connection to Chronic Disease, Goodwin Books Ltd, 2001

Articles in several Medical Newsletters and Medical News Newsletters

Many papers published on web sites including Doctor Clinic websites, at least one European University website, several papers have been translated into other languages including Japanese, German, and Brazilian for posting on their web sites. (Technical Reviews by University Researchers, Doctors, etc. available regarding the papers.)

State of the Florida Environment, Florida Watch Institute, several years.

*Review and Summary of Scientific Consensus on the Greenhouse Effect- Atmospheric Buildup of CO<sub>2</sub>*, The Florida Naturalist, Spring, 1985

Utility Policy and Community Conservation, Advisory Committee on Inter-governmental Relations, Florida Legislature, Dec 1980

*The Importance of Bias Removal in Official Use of United States Census Counts*, F.S.U. Statistics Report M265, July 1973.